

Cannabis Identification and Prioritization System (CIPS) Current Capabilities and Limitations



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North Coast Regional Water Quality Control Board

Purpose

- Designed for two basic needs:
 - ◆ Quantify scope of cultivation and potential impacts
 - Identify number of cultivation sites
 - Prioritize watersheds for:
 - **Compliance assistance**
 - **Enforcement**
 - ◆ Leverage limited staff resources
- Watershed Approach
 - ◆ Holistic approach, watershed health
 - ◆ Identify cultivation in Public and Private lands



Program Features

- Interactive mapping feature (Desktop and Online)

- ◆ Layers of Interest

- Interpretation areas
- Prioritization Areas
- Cultivation sites
- Parcels and Ownership connections
- Timber Harvest Plans
- Total number of sites
- Water Consumption

- ◆ Summary of Statistics

- Statewide and Regional summary of characteristics of CIPS
 - Interpretation areas and HUC-12 watersheds analyzed.
 - Grow sites identified
 - Acres of cultivation
 - Number of parcels with cultivation

- ◆ Prioritization Modelling

- Demonstrates potential risk to Water Quality
 - Individual site and watershed scale analysis

- ◆ Editing

- Allows for Staff to add, change polygons, keep CIPs up to date with imagery analysis

QUICK STATS

Evaluated Area:

- 10 Interpretation Areas
- 164 HUC 12 Watersheds
- 34 Total Acreage

Grow Summary:

- 19,050 Number of Grows Identified
- 3,910 Grow Site Parcels
- 1,704 Total Grow Acreage

OF GROWS BY TYPE

Outdoor vs Greenhouse

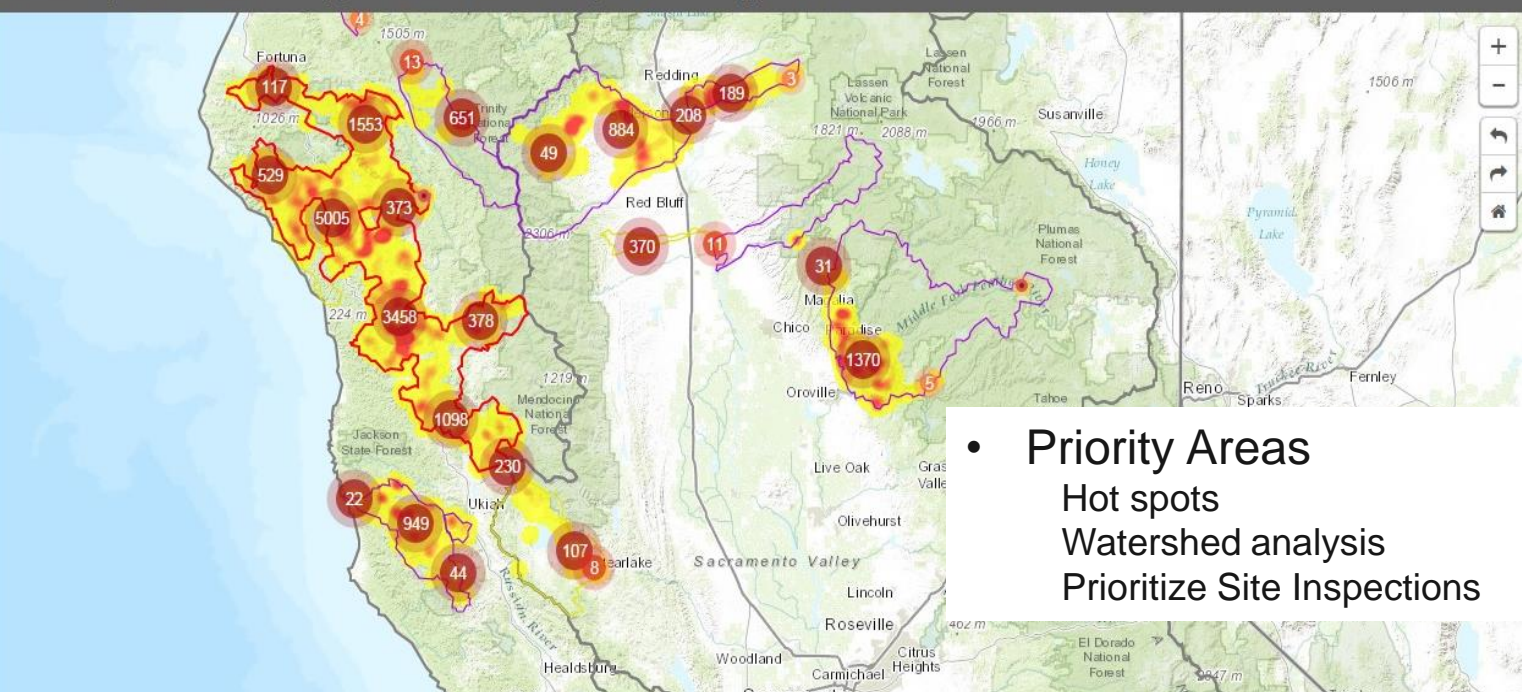


PRIORITIZATION MODELING

Cultivated Area



Map Search Layers Basemap Analysis Map Tools View Prioritization Model



- Priority Areas
 - Hot spots
 - Watershed analysis
 - Prioritize Site Inspections

Turn Layers On/Off

Turn off all map layers

☒ Grow Locations

GROWTYPE

- Outdoor
- Greenhouse
- Potential

☐ Grow Sites

☒ Prioritization Areas

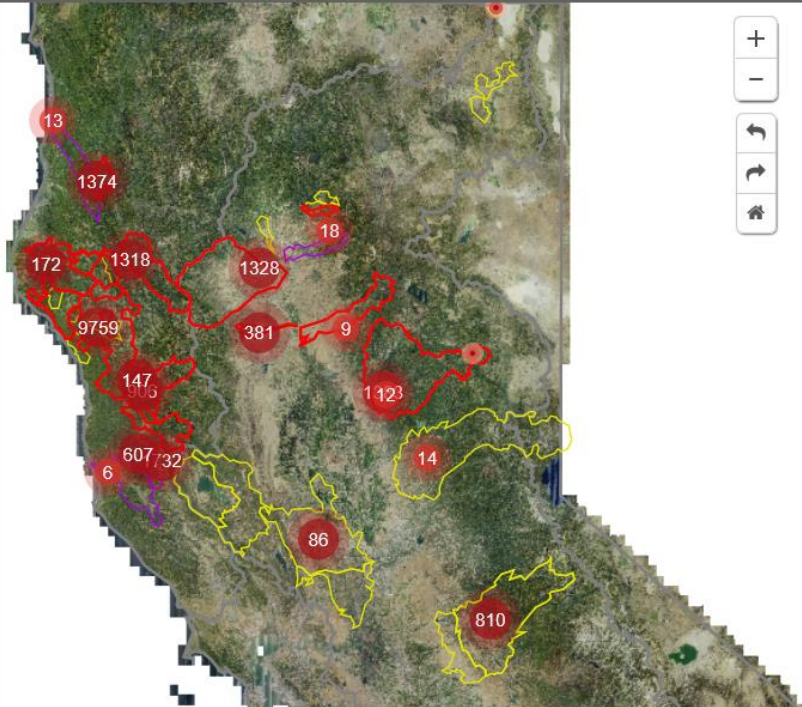
☒ Interpretation Areas

STATUSINTERPAREA

- ▮ Interp Completed
- ▮ Interp in Progress
- ▮ In Initial Review

☒ SWRCB Regions

☐ Watershed Boundaries (HUC12)



Model Parameters

Prioritization Model

Region	5	Prior. Area Name	Cottonwood Creek
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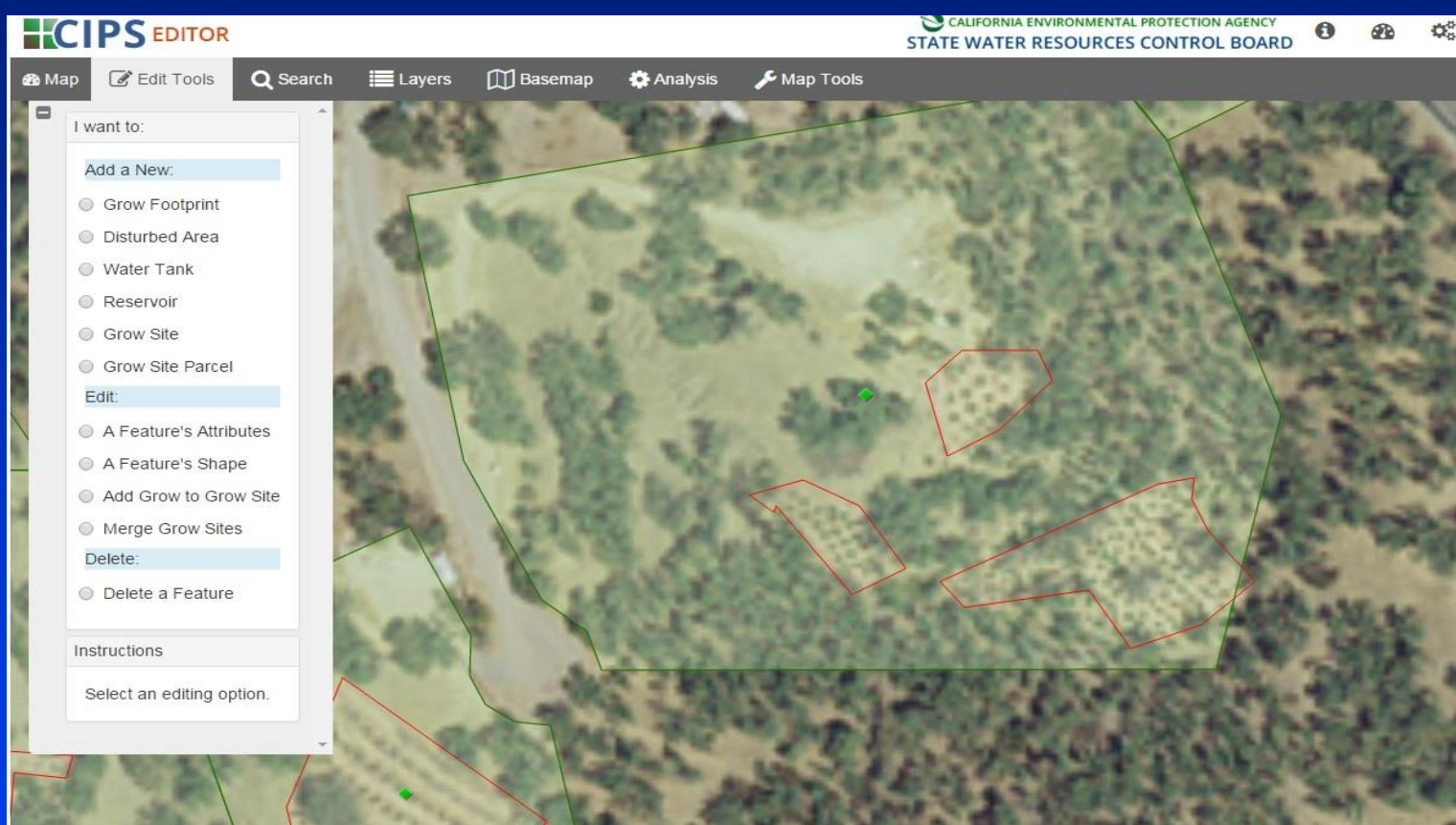
Model Name	Cottonwood Creek: MOD1
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Include?	Factor	Model Weight (%)		Risk Level 3	Risk Level 2	Risk Level 1
<input checked="" type="checkbox"/> Include	Surface Water Proximity	Weight	25	< 100	< 200 and > 100	> 200
<input type="checkbox"/> Exclude	Water Consumption	Weight	0	> 4500	> 600 and < 4500	< 600
<input checked="" type="checkbox"/> Include	Percent Slope	Weight	20	> 50	> 30 and < 50	< 30
<input checked="" type="checkbox"/> Include	LS Factor	Weight	25	> 10	> 3 and < 10	< 3
<input checked="" type="checkbox"/> Include	Cultivated Area	Weight	20	> 10000	> 5000 and < 10000	< 5000
<input checked="" type="checkbox"/> Include	Topo Wetness Index	Weight	10	> 10	> 5 and < 10	< 5
<input type="checkbox"/> Exclude	Sensitive Wildlife	Weight	0	Yes	No	None

Cancel

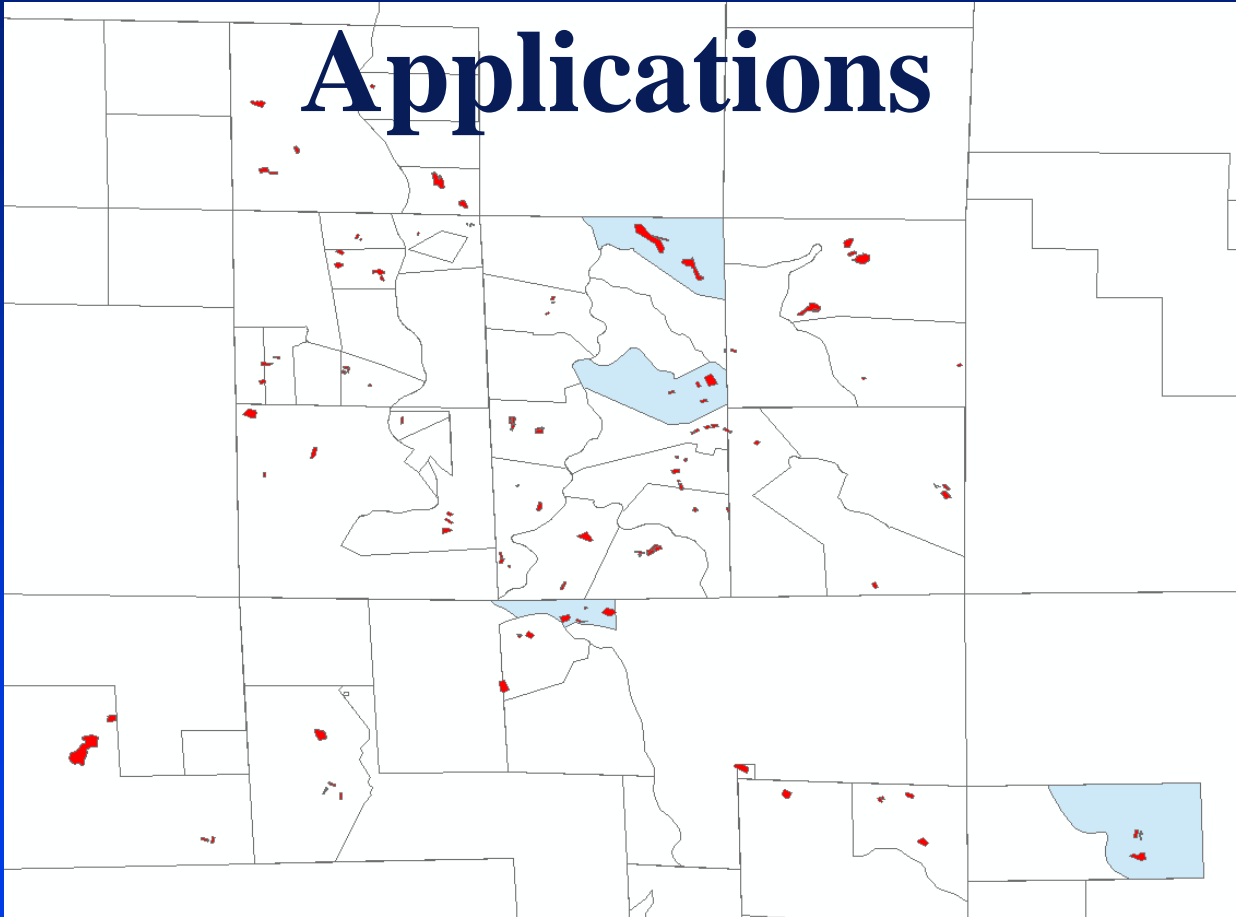
Save and Continue

Editing

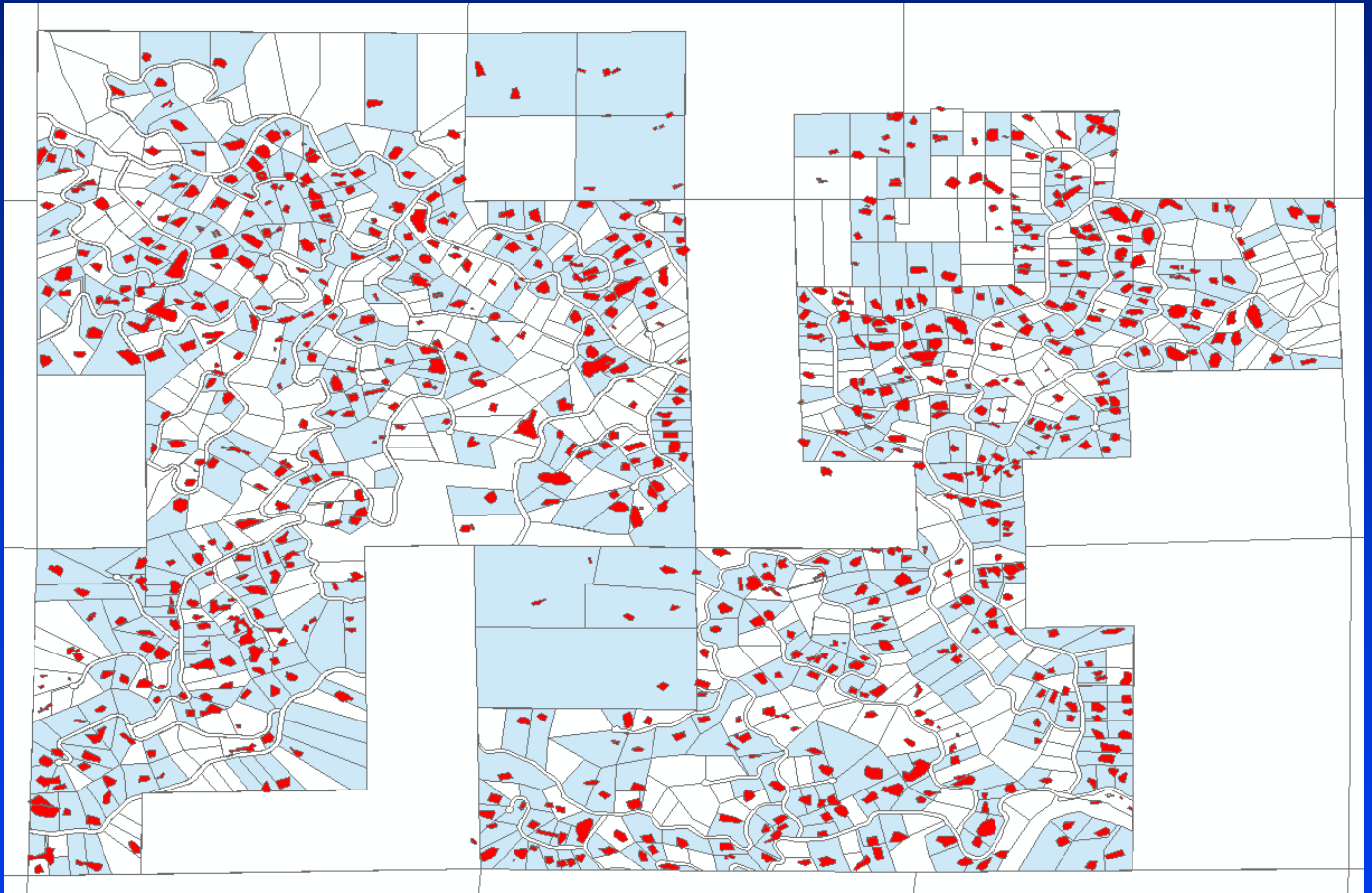


Parcels with Cultivation /

Applications



Trinity Pines Subdivision



Limitations of CIPs

- CIPs Does not currently:
 - ◆ Assess relative WQ risk of sites based on watershed wide analysis of all industries:
 - 401 Certs, Construction Stormwater, Timber Harvest, etc.
 - ◆ Assess relative risk based on a full suite of site characteristics
 - number of stream crossings needing upgrades,
 - fertilizer and other chemical use,
 - water storage and use
 - other parameters of enrollment
 - ◆ Contain information relating to other program or agency permitting needed for Order implementation
 - Including access by other agencies for coordination and data sharing purposes
 - ◆ Connect with other databases
 - CIWQS, Geotracker, eWRIMS, BIOS, Eco Atlas, etc.
 - ◆ Integrate with data collection tools

Current CIPs Statistics

- Numbers and Distribution

- ◆ 19,050 individual cultivation sites on 3,910 parcels identified with the initial contract
 - Sites mapped within 164 HUC 12 watersheds
 - approximately 12% of R1 and 5% of R5
- ◆ 15,755 in Region 1 and 3,329 in Region 5

Statewide Summary

QUICK STATS

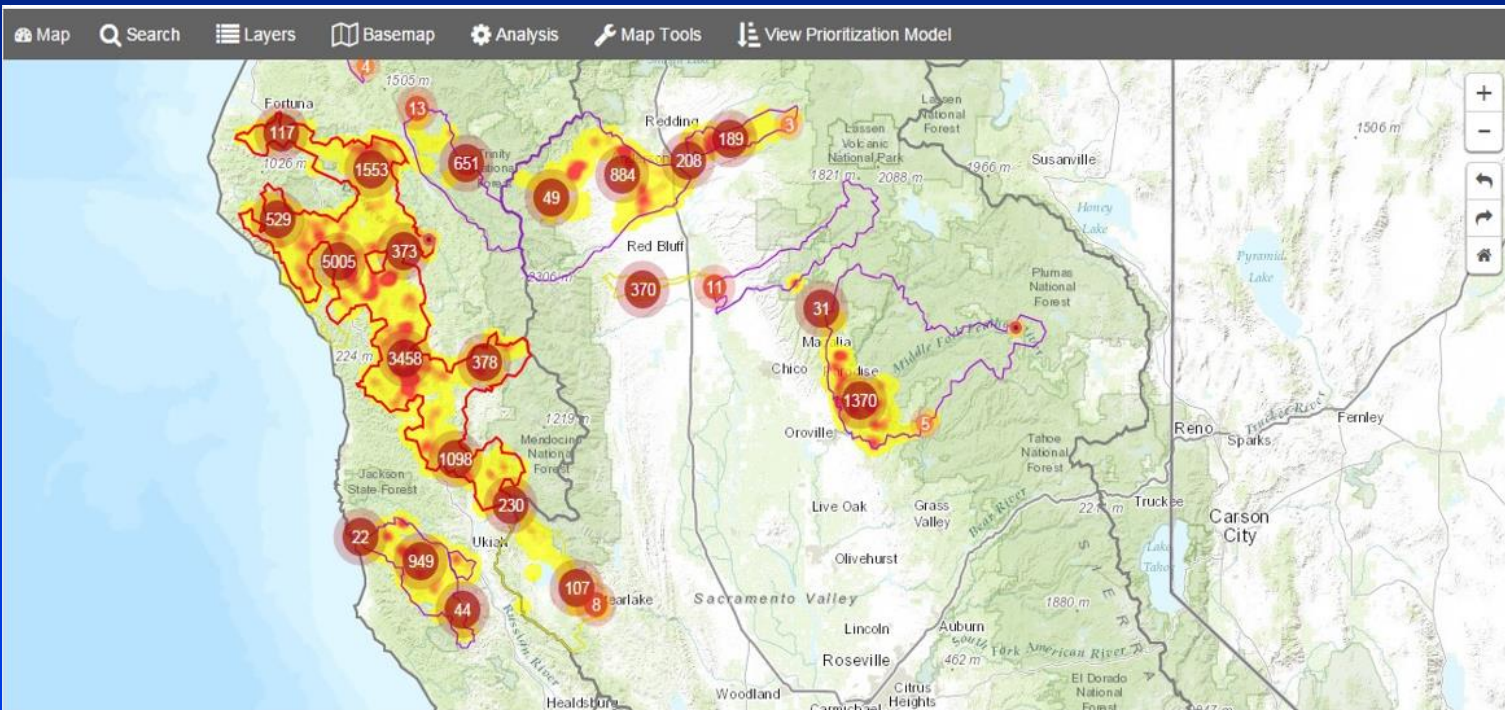
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Questions?



Search

Layers

Basemap

Analysis

Map Tools

View Prioritization Model

